

Claims

1. Hollow profile (1) with a polyurethane foam filling (2), characterised by a support material insert (3) permeated by the polyurethane foam, which insert, in the prior foam-free initial state, in the period of time from application of the liquid reaction mixture (15) onto this support material insert (3) until the introduction of this support material insert (3) together with the reaction mixture (15) into the hollow profile (1), exhibits impermeability to this reaction mixture (15) and which, after introduction into the hollow profile (1) prior to the incipient increase in viscosity of the rising foam, is permeable to this reaction mixture (15).
2. Hollow profile according to claim 1, characterised in that the support material insert (3) consists of a fibrous nonwoven, a woven textile fabric, such as linen or cotton fabric, or a paper with appropriately delayed permeability.
3. Hollow profile according to one of claims 1 or 2, characterised in that the lateral edges (6) of the support material insert (3) are turned up in the manner of a trough.
4. Hollow profile according to one of claims 1, 2 or 3, characterised in that the starting components of the reaction mixture (15) used to produce the foam filling (2) comprise elevated proportions of long-chain polyols and/or di- and/or isocyanate polymers.
5. Process for the production of a hollow profile (1) filled with a polyurethane foam, wherein a liquid reaction mixture (15) is applied onto a support material insert (3), while the support material insert (3) together with the reaction mixture (15) is simultaneously drawn into the hollow profile (1) at a constant speed, characterised in that a support material insert (3) is used which exhibits delayed permeability to the reaction mixture (15), wherein the

period of delay extends from the time of application of the reaction mixture (15) until introduction into the hollow profile (1), and that thereafter the support material insert (3) becomes permeable to the reaction mixture (15) and, as it forms, the foam (2) adheres to the internal wall (4) of the hollow profile (1) over the entire cross-section of the profile.

6. Process according to claim 5, characterised in that the support material insert (3) consists of a fibrous nonwoven, a woven textile fabric, such as linen or cotton fabric, or a paper with appropriately delayed permeability.

7. Process according to claim 5 or 6, characterised in that, before application of the reaction mixture (15), the lateral edges (6) of the support material insert (3) are turned up in the manner of a trough.

8. Process according to claim 5, 6 or 7, characterised in that the starting components of the reaction mixture (15) used to produce the foam filling (2) comprise elevated proportions of long-chain polyols and/or di- and/or isocyanate polymers.